

## EAST Search History

| Ref # | Hits | Search Query  | DBs                              | Default Operator | Plurals | Time Stamp       |
|-------|------|---|----------------------------------|------------------|---------|------------------|
| S1    | 0    | ("((rajnear3(singhgaur))(robertnear3 mendenhall)).in.").PN. | US-PGPUB;<br>USPAT;<br>USOCR     | OR               | OFF     | 2006/03/10 11:04 |
| S2    | 127  | ((raj near3 (singh gaur)) (robert near3 mendenhall)).in.    | US-PGPUB;<br>USPAT;<br>USOCR     | OR               | OFF     | 2006/03/09 14:28 |
| S3    | 18   | S2 and tantalum   | US-PGPUB;<br>USPAT;<br>USOCR     | OR               | OFF     | 2006/03/09 14:29 |
| S4    | 989  | 423/62,63,67,68.ccls.                                       | US-PGPUB;<br>USPAT;<br>USOCR     | OR               | OFF     | 2006/03/09 14:29 |
| S5    | 226  | S4 and tantalum   | US-PGPUB;<br>USPAT;<br>USOCR     | OR               | OFF     | 2006/03/09 14:31 |
| S6    | 6    | S5 and (ammonium near3 bifluoride)                          | US-PGPUB;<br>USPAT;<br>USOCR     | OR               | OFF     | 2006/08/07 14:38 |
| S7    | 0    | 423/62-68   | US-PGPUB;<br>USPAT;<br>USOCR     | OR               | OFF     | 2006/03/09 14:48 |
| S8    | 1166 | 423/62-68.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR     | OR               | OFF     | 2006/03/10 11:04 |
| S9    | 262  | S8 and tantalum   | US-PGPUB;<br>USPAT;<br>USOCR     | OR               | OFF     | 2006/03/09 14:49 |
| S10   | 0    | S9 and (ammonium near3 biflouride)                          | US-PGPUB;<br>USPAT;<br>USOCR     | OR               | OFF     | 2006/03/09 14:50 |
| S11   | 7    | S9 and (ammonium near3 bifluoride)                          | US-PGPUB;<br>USPAT;<br>USOCR     | OR               | OFF     | 2006/03/09 14:50 |
| S12   | 1    | S11 not S6  | US-PGPUB;<br>USPAT;<br>USOCR     | OR               | OFF     | 2006/03/09 14:52 |
| S13   | 725  | tantalum and ammonium bifluoride                            | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/03/09 14:52 |
| S14   | 6    | tantalum and (ammonium near3 bifluoride)                    | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/03/09 14:57 |
| S15   | 0    | S9 and (sulfuric near3 acid)                                | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/03/09 14:58 |

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|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| S16 | 72   | S9 and (sulfuric near3 acid)   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/03/09 15:04 |
| S17 | 1    | S16 and ("nh.sub.4hf.sub.2")   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/03/09 15:04 |
| S18 | 15   | S16 and ("nh.sub.4hf.sub.2" naf kf "caf.sub.2")  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/03/09 15:18 |
| S19 | 25   | tantalum and (sulfuric near3 acid) same ("nh.sub.4hf.sub.2" naf kf "caf.sub.2")  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/09 15:19 |
| S20 | 19   | S19 not S18  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/09 15:20 |
| S21 | 1166 | 423/62-68.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/03/10 11:05 |
| S22 | 77   | S21 and (ammonium near3 hydroxide same precipitate\$1)   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/03/10 11:05 |
| S23 | 3    | S22 and singh  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/03/10 11:06 |
| S24 | 7    | slurry and (ammonium near3 bifluoride) and (tantalite niobite columbite pyrochlore microlite loparite tin near3 slag)  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/08/07 14:46 |
| S25 | 7    | slurry and (ammonium near3 bifluoride) and (tantalite niobite columbite pyrochlore microlite loparite tin near3 slag) and sulfuric   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/08/07 16:11 |
| S26 | 1    | "20040213716".pn.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/08/07 16:09 |
| S27 | 62   | (ammonium near3 bifluoride fluorite "caf.sub.2" naf kf potassium near3 fluoride sodium near3 fluoride) and (tantalite niobite columbite pyrochlore microlite loparite tin near3 slag) and sulfuric | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/08/07 16:27 |

## EAST Search History

|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S28 | 7   | (ammonium near3 bifluoride fluorite "caf.sub.2" naf kf potassium near3 fluoride sodium near3 fluoride) with sulfuric and (tantalite niobite columbite pyrochlore microlite loparite tin near3 slag) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/07 16:24 |
| S29 | 116 | (ammonium near3 bifluoride fluorite "caf.sub.2" naf kf potassium near3 fluoride sodium near3 fluoride) with sulfuric and tantalum   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/07 16:25 |
| S30 | 3   | (ammonium near3 bifluoride fluorite "caf.sub.2" naf kf potassium near3 fluoride sodium near3 fluoride) with sulfuric and tantalum and leach\$3 and slurr\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/07 16:25 |